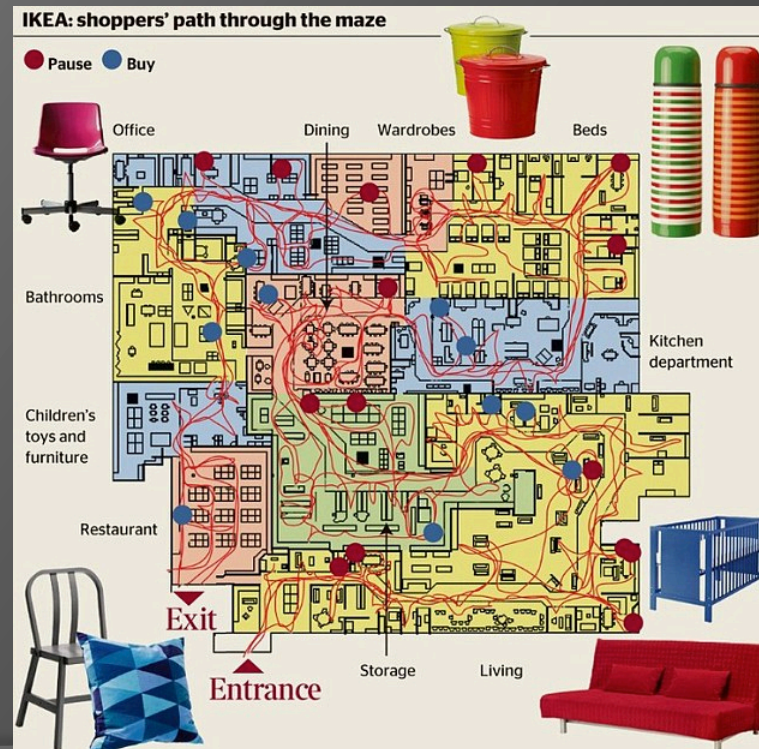# STORE MAPPER

By: Linsen Wu (linsenwu@cs)
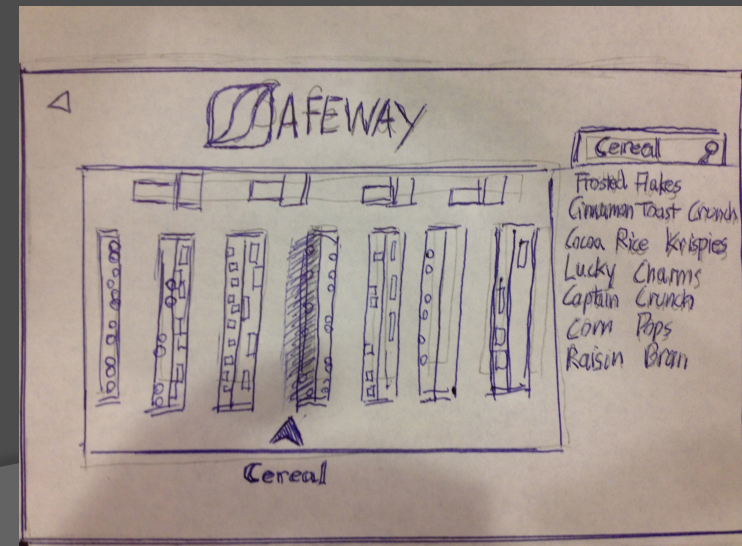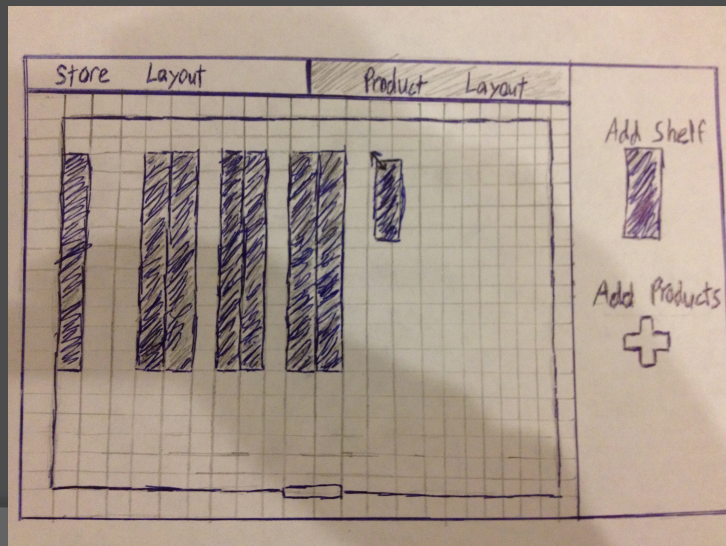
Dennis Ding (dennisd7@cs)

Design and Architecture

- Client side- Create an app to provide an easy to use interface for stores to create floor maps and track inventory

- User side- Create an app to provide interactive maps of stores, saving customers search time and having to ask employees

  - Provide a database of store maps customized to each individual store
  - Provide a database of inventory for the individual store for the customer to search from

- ⦿ Client side- GUI to customize floor map and add inventory

- ⦿ User side- could be built as a web app, using JavaScript/PHP, or be built as a phone app for both OS and Android
    - Need a database to store maps/inventory
    - May need a path-finding method

Future Extensions and Potential Challenges

- ⦿ Can be extended to Mall Mapper, Sky Mapper (Towers/Buildings), City Mapper, etc.
- ⦿ Is there value in optimizing store layout?
- ⦿ How do we determine what constitutes "shortest path"? (the more advanced mappers
- ⦿ Could be difficult getting store's participation to build up database